







Granularmetric Report Depths and elevations based on measured values				 COASTAL TECH Coastal Geology & Sediments Laboratory 715 North Drive Suite E Melbourne, Florida 32934 Phone 321-751-1135 x 206 Fax			
Project Name: South SLC Offshore Sand Search							
Sample Name: PS-1 #1							
Analysis Date: 02-20-09							
Analyzed By: MO							
Easting (ft): 913,519.38		Northing (ft): 1,099,655.79		Coordinate System: Florida State Plane East		Elevation (ft): -26.4 NAVD 88	
USCS: SP		Munsell: Wet - 10YR-5/2 Dry - 10YR-6/1		Comments:			
Dry Weight (g): 120.04	Wash Weight (g): 120.04	Pan Retained (g): 0.02	Sieve Loss (%): 0.03	Fines (%): #200 - 0.09 #230 - 0.07	Organics (%): 1.90	Carbonates (%): 80.30	Shells (%):
Sieve Number	Sieve Size (Phi)	Sieve Size (Millimeters)	Grams Retained	% Weight Retained	Cum. Grams Retained	C. % Weight Retained	
3/4"	-4.25	19.03	0.00	0.00	0.00	0.00	
5/8"	-4.00	16.00	0.00	0.00	0.00	0.00	
11/16"	-3.50	11.31	0.00	0.00	0.00	0.00	
5/16"	-3.00	8.00	0.00	0.00	0.00	0.00	
3.5	-2.50	5.66	0.04	0.03	0.04	0.03	
4	-2.25	4.76	0.03	0.02	0.07	0.05	
5	-2.00	4.00	0.30	0.25	0.37	0.30	
7	-1.50	2.83	0.29	0.24	0.66	0.54	
10	-1.00	2.00	0.97	0.81	1.63	1.35	
14	-0.50	1.41	1.73	1.44	3.36	2.79	
18	0.00	1.00	3.80	3.17	7.16	5.96	
25	0.50	0.71	7.24	6.03	14.40	11.99	
35	1.00	0.50	14.60	12.16	29.00	24.15	
45	1.50	0.35	24.88	20.73	53.88	44.88	
60	2.00	0.25	40.97	34.13	94.85	79.01	
80	2.50	0.18	21.62	18.01	116.47	97.02	
120	3.00	0.13	3.10	2.58	119.57	99.60	
170	3.50	0.09	0.33	0.27	119.90	99.87	
200	3.75	0.07	0.05	0.04	119.95	99.91	
230	4.00	0.06	0.03	0.02	119.98	99.93	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.44	2.14	1.94	1.58	1.02	0.66	-0.15	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1.41	0.38	0.8	-1.15	5.11		

Granularmetric Report Depths and elevations based on measured values				 COASTAL TECH Coastal Geology & Sediments Laboratory 715 North Drive Suite E Melbourne, Florida 32934 Phone 321-751-1135 x 206 Fax			
Project Name: South SLC Offshore Sand Search							
Sample Name: PS-1 #2							
Analysis Date: 02-20-09							
Analyzed By: MO							
Easting (ft): 913,519.38		Northing (ft): 1,099,655.79		Coordinate System: Florida State Plane East		Elevation (ft): -29.4 NAVD 88	
USCS: SW		Munsell: Wet - 10YR-5/2 Dry - 10YR-6/1		Comments:			
Dry Weight (g): 118.32	Wash Weight (g): 118.32	Pan Retained (g): 0.11	Sieve Loss (%): 0.12	Fines (%): #200 - 0.33 #230 - 0.22	Organics (%): 1.80	Carbonates (%): 81.00	Shells (%):
Sieve Number	Sieve Size (Phi)	Sieve Size (Millimeters)	Grams Retained	% Weight Retained	Cum. Grams Retained	C. % Weight Retained	
3/4"	-4.25	19.03	0.00	0.00	0.00	0.00	
5/8"	-4.00	16.00	1.68	1.42	1.68	1.42	
11/16"	-3.50	11.31	0.00	0.00	1.68	1.42	
5/16"	-3.00	8.00	0.77	0.65	2.45	2.07	
3.5	-2.50	5.66	0.83	0.70	3.28	2.77	
4	-2.25	4.76	0.39	0.33	3.67	3.10	
5	-2.00	4.00	0.08	0.07	3.75	3.17	
7	-1.50	2.83	0.75	0.63	4.50	3.80	
10	-1.00	2.00	1.92	1.62	6.42	5.42	
14	-0.50	1.41	4.25	3.59	10.67	9.01	
18	0.00	1.00	8.71	7.36	19.38	16.37	
25	0.50	0.71	15.47	13.07	34.85	29.44	
35	1.00	0.50	23.88	20.18	58.73	49.62	
45	1.50	0.35	26.83	22.68	85.56	72.30	
60	2.00	0.25	22.62	19.12	108.18	91.42	
80	2.50	0.18	8.11	6.85	116.29	98.27	
120	3.00	0.13	1.19	1.01	117.48	99.28	
170	3.50	0.09	0.32	0.27	117.80	99.55	
200	3.75	0.07	0.14	0.12	117.94	99.67	
230	4.00	0.06	0.13	0.11	118.07	99.78	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.26	1.81	1.57	1.01	0.33	-0.03	-1.13	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	0.82	0.57	1.16	-1.66	7.61		

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Project Name: South SLC Offshore Sand Search							
Sample Name: PS-1 #3							
Analysis Date: 02-20-09							
Analyzed By: MO							
Easting (ft): 913,519.38		Northing (ft): 1,099,655.79		Coordinate System: Florida State Plane East		Elevation (ft): -32.9 NAVD 88	
USCS: SW		Munsell: Wet - 10YR-5/2 Dry - 10YR-6/1		Comments:			
Dry Weight (g): 120.39	Wash Weight (g): 120.39	Pan Retained (g): 0.41	Sieve Loss (%): 0.23	Fines (%): #200 - 0.71 #230 - 0.58	Organics (%): 1.80	Carbonates (%): 79.00	Shells (%):
Sieve Number	Sieve Size (Phi)	Sieve Size (Millimeters)	Grams Retained	% Weight Retained	Cum. Grams Retained	C. % Weight Retained	
3/4"	-4.25	19.03	0.00	0.00	0.00	0.00	
5/8"	-4.00	16.00	0.00	0.00	0.00	0.00	
11/16"	-3.50	11.31	0.40	0.33	0.40	0.33	
5/16"	-3.00	8.00	0.00	0.00	0.40	0.33	
3.5	-2.50	5.66	0.39	0.32	0.79	0.65	
4	-2.25	4.76	0.71	0.59	1.50	1.24	
5	-2.00	4.00	0.17	0.14	1.67	1.38	
7	-1.50	2.83	1.32	1.10	2.99	2.48	
10	-1.00	2.00	1.54	1.28	4.53	3.76	
14	-0.50	1.41	3.67	3.05	8.20	6.81	
18	0.00	1.00	7.27	6.04	15.47	12.85	
25	0.50	0.71	13.15	10.92	28.62	23.77	
35	1.00	0.50	21.55	17.90	50.17	41.67	
45	1.50	0.35	27.65	22.97	77.82	64.64	
60	2.00	0.25	25.74	21.38	103.56	86.02	
80	2.50	0.18	12.80	10.63	116.36	96.65	
120	3.00	0.13	2.13	1.77	118.49	98.42	
170	3.50	0.09	0.74	0.61	119.23	99.03	
200	3.75	0.07	0.31	0.26	119.54	99.29	
230	4.00	0.06	0.16	0.13	119.70	99.42	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
2.42	1.95	1.74	1.18	0.53	0.14	-0.80	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1.04	0.49	1.01	-1.04	5.4		

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Project Name: South SLC Offshore Sand Search							
Sample Name: PS-1 #4							
Analysis Date: 03-23-09							
Analyzed By: MO							
Easting (ft): 913,519.38		Northing (ft): 1,099,655.79		Coordinate System: Florida State Plane East		Elevation (ft): -36.4 NAVD 88	
USCS: SW-SM		Munsell: Wet - 10YR-5/2 Dry - 10YR-6/1		Comments:			
Dry Weight (g): 120.91	Wash Weight (g): 114.60	Pan Retained (g): 0.09	Sieve Loss (%): -0.04	Fines (%): #200 - 5.79 #230 - 5.25	Organics (%): 1.90	Carbonates (%): 77.00	Shells (%):
Sieve Number	Sieve Size (Phi)	Sieve Size (Millimeters)	Grams Retained	% Weight Retained	Cum. Grams Retained	C. % Weight Retained	
3/4"	-4.25	19.03	0.00	0.00	0.00	0.00	
5/8"	-4.00	16.00	0.00	0.00	0.00	0.00	
11/16"	-3.50	11.31	0.00	0.00	0.00	0.00	
5/16"	-3.00	8.00	0.00	0.00	0.00	0.00	
3.5	-2.50	5.66	0.08	0.07	0.08	0.07	
4	-2.25	4.76	0.16	0.13	0.24	0.20	
5	-2.00	4.00	0.09	0.07	0.33	0.27	
7	-1.50	2.83	0.15	0.12	0.48	0.39	
10	-1.00	2.00	0.96	0.79	1.44	1.18	
14	-0.50	1.41	2.08	1.72	3.52	2.90	
18	0.00	1.00	4.85	4.01	8.37	6.91	
25	0.50	0.71	9.68	8.01	18.05	14.92	
35	1.00	0.50	18.58	15.37	36.63	30.29	
45	1.50	0.35	26.82	22.18	63.45	52.47	
60	2.00	0.25	29.40	24.32	92.85	76.79	
80	2.50	0.18	12.71	10.51	105.56	87.30	
120	3.00	0.13	5.11	4.23	110.67	91.53	
170	3.50	0.09	2.42	2.00	113.09	93.53	
200	3.75	0.07	0.82	0.68	113.91	94.21	
230	4.00	0.06	0.65	0.54	114.56	94.75	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
	2.34	1.96	1.44	0.83	0.54	-0.24	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1.33	0.40	0.91	-0.32	4.06		

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Project Name: South SLC Offshore Sand Search							
Sample Name: PS-1 #5							
Analysis Date: 03-23-09							
Analyzed By: MO							
Easting (ft): 913,519.38		Northing (ft): 1,099,655.79		Coordinate System: Florida State Plane East		Elevation (ft): -39.4 NAVD 88	
USCS: SW-SM		Munsell: Wet - 10YR-5/1 Dry - 10YR-6/1		Comments:			
Dry Weight (g): 124.04	Wash Weight (g): 114.12	Pan Retained (g): 0.74	Sieve Loss (%): -0.06	Fines (%): #200 - 9.88 #230 - 8.53	Organics (%): 1.70	Carbonates (%): 67.70	Shells (%):
Sieve Number	Sieve Size (Phi)	Sieve Size (Millimeters)	Grams Retained	% Weight Retained	Cum. Grams Retained	C. % Weight Retained	
3/4"	-4.25	19.03	0.00	0.00	0.00	0.00	
5/8"	-4.00	16.00	0.00	0.00	0.00	0.00	
11/16"	-3.50	11.31	0.00	0.00	0.00	0.00	
5/16"	-3.00	8.00	0.00	0.00	0.00	0.00	
3.5	-2.50	5.66	0.14	0.11	0.14	0.11	
4	-2.25	4.76	0.00	0.00	0.14	0.11	
5	-2.00	4.00	0.17	0.14	0.31	0.25	
7	-1.50	2.83	0.52	0.42	0.83	0.67	
10	-1.00	2.00	1.15	0.93	1.98	1.60	
14	-0.50	1.41	2.29	1.85	4.27	3.45	
18	0.00	1.00	2.89	2.33	7.16	5.78	
25	0.50	0.71	3.87	3.12	11.03	8.90	
35	1.00	0.50	5.25	4.23	16.28	13.13	
45	1.50	0.35	7.10	5.72	23.38	18.85	
60	2.00	0.25	12.33	9.94	35.71	28.79	
80	2.50	0.18	32.42	26.14	68.13	54.93	
120	3.00	0.13	30.72	24.77	98.85	79.70	
170	3.50	0.09	9.48	7.64	108.33	87.34	
200	3.75	0.07	3.45	2.78	111.78	90.12	
230	4.00	0.06	1.68	1.35	113.46	91.47	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
	3.28	2.91	2.41	1.81	1.25	-0.17	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	2.09	0.23	1.07	-1.33	4.97		

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Project Name: South SLC Offshore Sand Search							
Sample Name: PS-1 #6							
Analysis Date: 03-23-09							
Analyzed By: MO							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
913,519.38		1,099,655.79		Florida State Plane East		-41.4 NAVD 88	
USCS:		Munsell:		Comments:			
SW-SM		Wet - 10YR-5/1 Dry - 10YR-6/1					
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shells (%):
116.00	108.60	0.35	0.01	#200 - 8.63 #230 - 6.69	2.00	84.40	
Sieve Number	Sieve Size (Phi)	Sieve Size (Millimeters)	Grams Retained	% Weight Retained	Cum. Grams Retained	C. % Weight Retained	
3/4"	-4.25	19.03	0.00	0.00	0.00	0.00	
5/8"	-4.00	16.00	0.00	0.00	0.00	0.00	
11/16"	-3.50	11.31	0.00	0.00	0.00	0.00	
5/16"	-3.00	8.00	0.00	0.00	0.00	0.00	
3.5	-2.50	5.66	0.00	0.00	0.00	0.00	
4	-2.25	4.76	0.04	0.03	0.04	0.03	
5	-2.00	4.00	0.12	0.10	0.16	0.13	
7	-1.50	2.83	0.43	0.37	0.59	0.50	
10	-1.00	2.00	0.73	0.63	1.32	1.13	
14	-0.50	1.41	1.51	1.30	2.83	2.43	
18	0.00	1.00	2.49	2.15	5.32	4.58	
25	0.50	0.71	3.83	3.30	9.15	7.88	
35	1.00	0.50	6.82	5.88	15.97	13.76	
45	1.50	0.35	10.86	9.36	26.83	23.12	
60	2.00	0.25	22.77	19.63	49.60	42.75	
80	2.50	0.18	28.09	24.22	77.69	66.97	
120	3.00	0.13	17.61	15.18	95.30	82.15	
170	3.50	0.09	7.69	6.63	102.99	88.78	
200	3.75	0.07	3.00	2.59	105.99	91.37	
230	4.00	0.06	2.25	1.94	108.24	93.31	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
	3.14	2.76	2.15	1.55	1.12	0.06	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	1.96	0.26	1.01	-0.85	4.29		